

42390P9238

PATENT

**CLAIM AMENDMENTS:**

1-5 (Canceled)

6. (Currently amended) A method comprising:  
receiving digitized voice data from a user;  
processing the voice data to determine one or more phases recognized as the  
digitized voice data provided by the user based on a currently active  
recognition grammar;  
when more than one phrase is recognized as the digitized voice data provided by  
the user as a result of voice-recognition uncertainty, using user-specific  
context information to choose a recognized phrase from the one or more  
phrases recognized as the digitized voice data;  
selecting elements of uncertainty within the one or more recognized phrases;  
selecting the user-specific context information from a database based on the  
elements of uncertainty;  
eliminating phrases within the one or more recognized phrases based on the  
user-specific context information regarding the elements of uncertainty;  
and  
selecting a final phrase as the recognized phrase once all other phrases within the  
one or more recognized phrases are eliminated.

7. (Currently amended) The method of claim 6, further comprising:  
storing user context information contained in the database, the user context information  
including one of e-mail information, voice mail information, calendar information and  
location information.

8. (Canceled)

42390P9238

PATENT

9. (Previously presented) The method of claim 6, wherein the using the user-specific context information further comprises:

- processing the voice data using an N-best speech recognition engine;
- receiving the list of one or more phrases as N-phrases recognized as the voice data provided by the user including a confidence value associated with each of the N-phrases
- selecting a phrase from the one or more recognized phrases having a lowest confidence value;
- selecting elements of uncertainty between the phrase and the one or more recognized phrases;
- selecting the user-specific context information from a database based on the elements of uncertainty;
- eliminating the phrase when the user-specific context information regarding the elements of uncertainty validates the lowest confidence value of the phrase; and
- repeating the selecting, selecting, selecting and eliminating steps until a final phrase is determined as the recognized phrase.

10-14 (Canceled)

15. (Previously presented) A computer readable storage medium including program instruction that directs a computer to function in a specified manner when executed by a processor, the program instructions comprising:

- receiving digitized voice data from a user;
- processing the voice data to determine one or more phrases recognized as the digitized voice data provided by the user based on a currently active recognition grammar;
- when more than one phrase is recognized as the digitized voice data provided by the user as a result of voice recognition uncertainty, using user-specific context information to choose a recognized phrase from the one or more phrases recognized as the digitized voice data;

42390P9238

PATENT

selecting elements of uncertainty within the one or more recognized phrases;  
selecting the user-specific context information from a database based on the  
elements of uncertainty;  
eliminating phrases within the one or more recognized phrases based on the user-  
specific context information regarding the elements of uncertainty; and  
selecting a final phrase as the recognized phrase once all other phrases within the  
one or more recognized phrases are eliminated;

16. (Currently amended) The computer readable storage medium of claim 15, further comprising an instruction for:

storing user context information contained in the database, the user context information  
including one of e-mail information, voice mail information, calendar information and  
location information.

17. (Canceled)

18. (Previously presented) The computer readable storage medium of claim 15,  
wherein the instruction for using the user-specific context information further comprises:

processing the voice data using an N-best speech recognition engine;  
receiving the list of one or more phrases as N-phrases recognized as the voice data  
provided by the user including a confidence value associated with each of  
the N-phrases;  
selecting a phrase within the one or more recognized phrases having a lowest  
confidence value;  
selecting elements of uncertainty between the phrase and the one or more  
recognized phrases;  
selecting the user context information regarding the user from a database based on  
the elements of uncertainty;  
eliminating the phrase when the user-specific context information regarding the  
elements of uncertainty validates the lowest confidence value of the  
phrase; and

42390P9238

PATENT

repeating the selecting, selecting and eliminating steps until a final phrase is determined as the recognized phrase.

19-25 (Canceled)

26. (Currently amended) A voice recognition system comprising:
- a voice recognition engine processes the voice data to determine one or more phrases recognized as the digitized voice data provided by the user based on a currently active recognition grammar;
  - a database containing user context information;
  - a user context natural language processor having a capability to select user-specific context information from a ~~PDM~~ database and use the user-specific context information to choose a recognized phrase from the one or more phrases recognized as the voice data when the voice recognition engine recognizes more than one phrase as the voice data provided by the user, the user context natural language processor further capable of selecting a phrase within the one or more recognized phrases having a lowest confidence value, selecting conflicting elements between the phrase and the one or more recognized phrases, selecting the user context information regarding the user from a database based on the conflicting elements, eliminating the phrase when the user context information regarding the conflict elements validates the lowest confidence value of the phrase; and repeating the select, select and eliminate operations until a final phrase is determined as the recognized phrase; and
  - an N-best speech recognition engine and generates N-phrases recognized as the voice data including a confidence value associated with each of the N-phrases as the list of one or more phrases recognized as the voice data provided by the user